ABSTRACT

A system is provided for performing penetration testing of a target computer network by installing a remote agent in the target computer network. The system includes a local agent provided in a computer console and configured to receive and execute commands. A user interface is provided in the console and configured to send commands to and receive information from the local agent, process the information, and present the processed information. A database is configured to store the information received from the local agent. A network interface is connected to the local agent and configured to communicate with the remote agent installed in the target computer network via a network. Security vulnerability exploitation modules are provided for execution by the local agent and/or the remote agent.